

Inspection Report with SI&A Data

Structure Description: 676.9 Foot - 2 Span Steel continuous Stringer/Multi-beam or Girder

2 District: 08 **3 County:** Pulaski **16 Latitude:** 37°04'44.00" **7 Longitude:** 84°36'34.00"

7 Facility Carried: KY 2292

Milepoint: 0.180

6A Feature Intersected: NORFOLK - SOUTHERN R.R.

9 Location: .91 MI. N. OF JCT KY 2298

NBI	X
Element	X
Fracture Critical	
Underwater	
Special	

Structure Description: 676.9 Foot - 2 Span Steel continuous Stringer/Multi-beam or Girder

NBI CONDITION RATINGS	
58 Deck: 7	61 Channel: 6
59 Superstructure: 7	62 Culvert: N
60 Substructure: 7	Sufficiency Rating: 76.9

GEOMETRIC DATA	
48 Max Length Span:	226.001 ft
49 Structure Length:	676.900 ft
32 Approach Roadway:	-3.281 ft
33 Median:	(0) No Median
34 Skew:	0°
35 Flare:	No Flare
50A Curb/Sidewalk Width L:	1.499 ft
50B Curb/Sidewalk Width R:	7.999 ft
47 Horiz. Clearance:	-3.281 ft
51 Width Curb to Curb:	-3.281 ft
52 Width Out to Out:	62.500 ft
48 Max Length Span:	226.001 ft

DESIGN	
Substandard:	No
Fracture Critical:	No FC Details
43A Main Span Material:	(4) Steel Continuous
43B Main Span Design:	(02) Stringer / Girder
45 Number of Spans Main:	2
44A Approach Span Material:	(5) Prestressed Concrete
44B Approach Span Design:	(02) Stringer / Girder
46 Number of Approach Spans:	2
107 Deck Type:	(1) Concrete-Cast-in-Place
108A Wearing Surface:	(1) Monolithic Concrete
108B Membrane:	(0) None
108C Deck Protection:	(1) Epoxy Coated Reinforcing
Overlay Y/N:	No
Overlay Type:	None
Overlay Thickness:	0.000 in
Overlay Date:	

ADMINISTRATIVE	
27 Year Built:	2007
106 Year Reconstructed:	0
42A Type of Service On:	(1) Highway
42B Type of Service Under:	(8) Hyw - Waterway - RR
37 Historical Significance:	(5) Not Eligible
21 Maintenance Responsibility:	(01) State Hwy Agency
22 Owner:	(01) State Hwy Agency
101 Parallel Structure:	(N) No II Structure Exists
52 Width Out to Out:	62.500 ft

APPRAISAL	
36A Bridge Railings:	(1) Meets Standards
36B Transitions:	(1) Meets Standards
36C Approach Guardrail:	(1) Meets Standards
36D Approach Guardrail Ends:	(1) Meets Standards
71 Waterway Adequacy:	(7) Above Minimum
72 Approach Alignment:	(8) Equal Desirable Crit
113 Scour Critical:	(8) Stable above footing
Recommended Scour Critical:	(N) Not over Waterway

CLEARANCES	
10 Vert. Clearance:	99.999 ft
53 Min. Vert. Clearance Over:	99.999 ft
54A Vert. Under Reference:	(H) Hwy beneath struct.
54B Min. Vert. Underclearance:	0.000 ft
55A Lateral Under Reference:	(R) Railroad beneath struct.
55B Min. Lat. Underclearance R:	0.000 ft
56 Min. Lat. Underclearance L:	0.000 ft

LOAD RATINGS	
63 Operating Type:	(1) Load Factor (LF)
64 Operating Rating:	75.0 tons
65 Inventory Type:	(1) Load Factor (LF)
66 Inventory Rating:	45.0 tons
Truck Capacity Type I:	tons
Truck Capacity Type II:	tons
Truck Capacity Type III:	tons
Truck Capacity Type IV:	tons

POSTINGS	
41 Posting Status:	(A) Open, No Restriction
Signs Posted Cardinal:	No
Signs Posted Non-Cardinal:	No
Field Postings Gross:	-1 tons
Field Postings Type I:	-1 tons
Field Postings Type II:	-1 tons
Field Postings Type III:	-1 tons
Field Postings Type IV:	-1 tons

Inspection Report with SI&A Data

12: Re Concrete Deck									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
SQ.FT	42,306.23	42,306.23	100%	0	0%	0	0%	0	0%

520: Conc Re Prot Sys									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
SQ.FT	42,306.23	42,306.23	100%	0	0%	0	0%	0	0%

107: Steel Opn Girder/Beam									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	2,697.6	2,697.6	100%	0	0%	0	0%	0	0%

515: Steel Protective Coating									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	0.3	0.3	100%	0	0%	0	0%	0	0%

109: Pre Opn Conc Girder/Beam									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	1,544.2	1,544.2	100%	0	0%	0	0%	0	0%

Inspection Report with SI&A Data

205: Re Conc Column

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
EACH	10	10	100%	0	0%	0	0%	0	0%

< none >

215: Re Conc Abutment

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	280	280	100%	0	0%	0	0%	0	0%

< none >

234: Re Conc Pier Cap

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	180	180	100%	0	0%	0	0%	0	0%

Pier 3 cap is discolored below Beam 2, from leaking expansion joint above. 1-2 ft. right of the discoloration is what appears to be a full height vertical crack. The crack runs from the corner of column 1 up the cap. This inspection was performed from the ground with binoculars so further inspection with the snoopers is recommended.

300: Strip Seal Exp Joint

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	52	27	52%	25	48%	0	0%	0	0%

The joint over Pier 3 is leaking, signs of seepage show on the cap of Pier 3 below beam 2.

Inspection Report with SI&A Data

310: Elastomeric Bearing

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
EACH	39	39	100%	0	0%	0	0%	0	0%

< none >

804: Sidewalk

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(LF)	676.9	676.9	100%	0	0%	0	0%	0	0%

There is a 8 ft wide pedestrian side walk running the length of the bridge on the east side of the bridge.

STRUCTURE NOTES

INSPECTION NOTES

This inspection was performed to get B111 back on scedule with the rest of County 100's structures. EKD 7-28-10

WORK

Action: -